

IN1010 Data Modeling Exercise 3 – Movies

This exercise is a bit more conceptual.

Movies have an ID, a title and a release date. Actors have an ID, a name, and a date of birth. Directors have an ID, a name and a date of birth. Movies have many actors, actors can act in many movies, movies can have more than one director, and directors can direct many movies.

Develop data model in Visual Paradigm to represent the above scenario.

Relationships:

Movies → actors (many to many)

Movies → directors (many to many)

New relationships:

Movies → MoviesActors (many to one)

MoviesActors → Actors (one to many)

Movies → MoviesDirectors (many to one)

MoviesDirectors → Directors (one to many)

Movies (Entity)

- movieID (PK)
- title
- release_date

Movies_Actors (Entity)

- movieID (FK)
- actorID (FK)

Actors (Entity)

- actorID (PK)
- name
- date_of_birth

Movies_Directors (Entity)

- movieID (FK)
- directorID (FK)

Directors (Entity)

- directorID (PK)
- name
- date_of_birth

